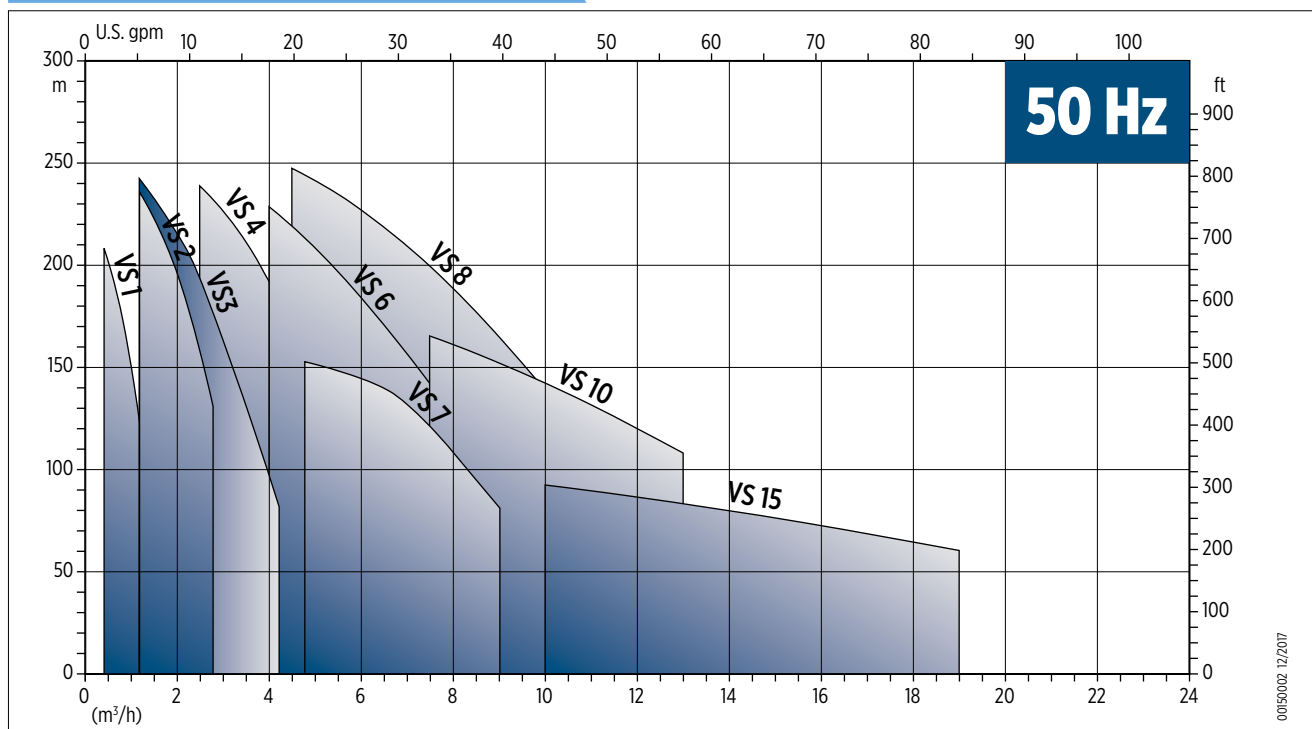


FAMILY CURVES



PUMP IDENTIFICATION CODE

VS 10 / 14

Motor power
Number of stages
Normal flow rate in m³/h
Pump model

00140002EN 08/2017

PUMP RATING PLATE

E-Tech
Franklin Electric

Imported by
Franklin Electric S.r.l.
Via Asolo, 7
36031 Dueville (VI) - ITALY
P-IVA IT00558130241

Type Serial No Year

min ⁻¹	Q(m³/h)	H(m)	Hmax(m)	kW	S.F.	MEI≥	Hyd.Eff
<input type="text" value="4"/>	<input type="text" value="5"/>	<input type="text" value="6"/>	<input type="text" value="7"/>	<input type="text" value="8"/>	<input type="text" value="9"/>	<input type="text" value="10"/>	<input type="text" value="11"/>

Part No :

00140064 05/2019

- 1) Model
- 2) Serial number
- 3) Year of production
- 4) Nominal Rpm
- 5) Delivery range
- 6) Head range
- 7) Maximum head
- 8) Motor power
- 9) Service factor
- 10) MEI index
- 11) Hydraulic efficiency
- 12) Code

TABLES OF HYDRAULIC PERFORMANCE AT 50 HZ

VS 1-2-3

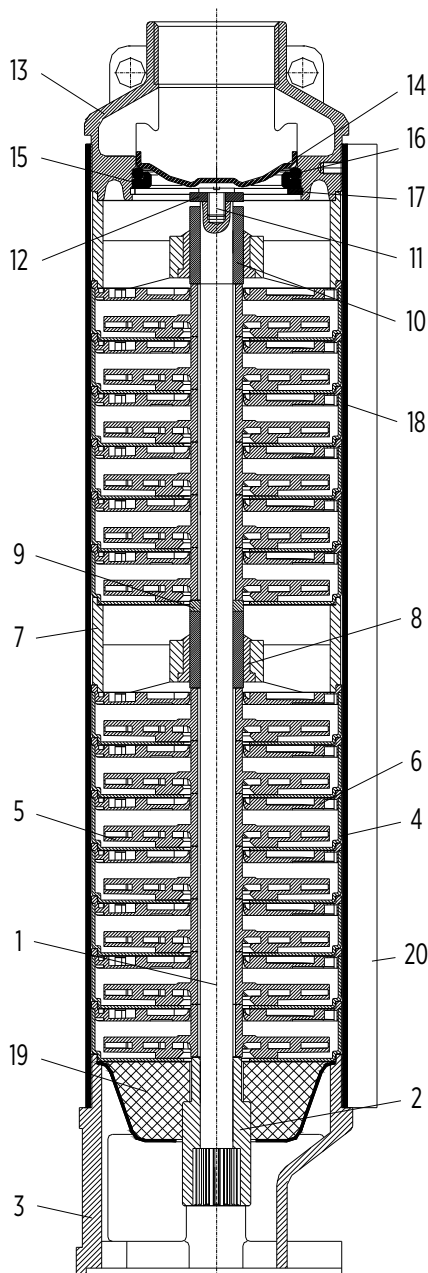
Pump model	RATED POWER		Q = DELIVERY													
			m ³ /h 0	0.4	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.8	3	3.3	3.6	4.2
			l/min 0	6.7	10	15	20	25	30	35	40	47	50	55	60	70
	[kW]	[HP]	H = TOTAL M.HEAD OF WATER COLUMN [m]													
VS 1/10	0.37	0.5	68	56	53	45	35	18								
VS 1/13	0.37	0.5	83	68	64	54	39	20								
VS 1/19	0.55	0.75	118	100	94	80	57	30								
VS 1/26	0.75	1	156	136	126	105	75	41								
VS 1/38	1.1	1.5	241	209	193	162	117	63								
VS 2/5	0.37	0.5	34				30	29	27	25	22	17	14	10		
VS 2/7	0.37	0.5	47				43	40	37	35	30	24	20	14		
VS 2/10	0.55	0.75	67				60	57	54	49	43	34	28	20		
VS 2/14	0.75	1	94				85	80	75	68	60	46	39	27		
VS 2/20	1.1	1.5	133				120	114	107	97	86	66	56	40		
VS 2/27	1.5	2	189				164	154	145	132	115	90	75	53		
VS 2/39	2.2	3	259				235	222	209	190	167	130	110	75		
VS 3/4	0.37	0.5	28					25	24	23	22	20	19	17	15	10
VS 3/7	0.55	0.75	48					42	40	39	36	33	30	28	24	16
VS 3/10	0.75	1	70					62	59	56	52	48	44	39	34	23
VS 3/15	1.1	2	104					92	88	83	78	72	65	58	51	34
VS 3/20	1.5	2	140					124	119	112	105	97	87	77	66	43
VS 3/30	2.2	3	205					183	175	164	154	142	128	113	98	65
VS 3/37	3	4	257					232	222	210	194	179	161	143	123	82

VS 4-6

Pump model	RATED POWER		Q = DELIVERY													
			m ³ /h 0	2.5	2.7	3	3.3	3.6	4.2	4.8	5.5	6	7	7.2	8	9
			l/min 0	42	45	50	55	60	70	80	92	100	117	120	133	150
	[kW]	[HP]	H = TOTAL M.HEAD OF WATER COLUMN [m]													
VS 4/4	0.37	0.5	25	22	21	20	20	19	17	14	11	8				
VS 4/7	0.55	0.75	45	39	27	36	35	34	29	25	19	14				
VS 4/10	0.75	1	64	55	54	52	49	47	42	35	26	19				
VS 4/14	1.1	1.5	89	77	75	72	68	65	59	50	37	26				
VS 4/18	1.5	2	114	98	95	93	88	85	80	64	49	34				
VS 4/27	2.2	3	170	146	145	139	133	127	114	95	73	50				
VS 4/32	3	4	222	174	170	165	157	150	135	113	86	60				
VS 4/40	3.7	5	252	216	223	212	196	189	166	141	107	75				
VS 4/44	4	5.5	278	240	235	226	217	207	185	155	116	83				
VS 6/6	0.75	1	36						32	30	28	26	23	22	18	14
VS 6/9	1.1	1.5	53						47	44	41	39	33	32	25	17
VS 6/13	1.5	2	77						70	66	63	60	52	50	43	32
VS 6/19	2.2	3	110						100	95	90	85	74	72	60	41
VS 6/26	3	4	150						134	126	120	110	94	90	73	49
VS 6/31	3.7	5	185						165	155	146	136	115	110	90	59
VS 6/34	4	5.5	200						178	165	155	145	123	118	95	64
VS 6/45	5.5	7.5	269						239	223	208	191	160	155	128	94

SPARE PARTS AND MATERIAL

VS 1-2-3-4-6-7-8



0030014 06/2017

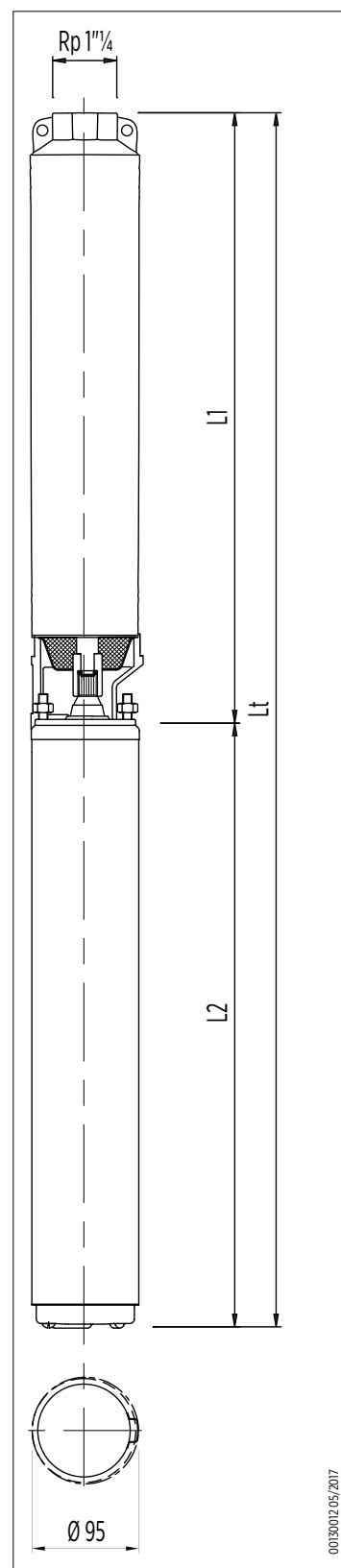
Ref. No.	Part description	Material	Standard	
			ASTM/AISI	DIN/EN
1	Shaft	Stainless Steel	AISI 304	1.4301
2	Coupling	Stainless Steel	AISI 304	1.4301
3	Motor support	Stainless Steel	AISI 304	1.4301
4	Body	Stainless Steel (VS 1-2-3-4-6-8)	AISI 304	1.4301
		Noryl® * (VS 7)	-	-
5	Impeller	Polycarbonate	-	-
6	Diffuser	Noryl® *	-	-
7	Bearing housing	Resin	-	-
8	Bearing bushing	Resin	-	-
9	Upper spacer	Polycarbonate	-	-
10	Upper journal sleeve	Stainless Steel	AISI 316	1.4401
11	Screw	Stainless Steel	AISI 304	1.4301
12	Washer	Stainless Steel	AISI 316	1.4401
13	Discharge	Stainless Steel	AISI 304	1.4301
14	Check valve disc	Stainless Steel	AISI 304	1.4301
15	Check valve ring	Stainless Steel	AISI 420	1.4021
16	Check valve O-ring	Rubber	-	-
17	Check valve snap ring	Stainless Steel	AISI 304	1.4301
18	Outer case	Stainless Steel	AISI 304	1.4301
19	Strainer	Stainless Steel	AISI 304	1.4301
20	Cable guard	Stainless Steel	AISI 304	1.4301

* Noryl® is a Registered Trademark of G.E.

VS 1 - TECHNICAL DATA

PUMPS WITH ENCAPSULATED MOTOR

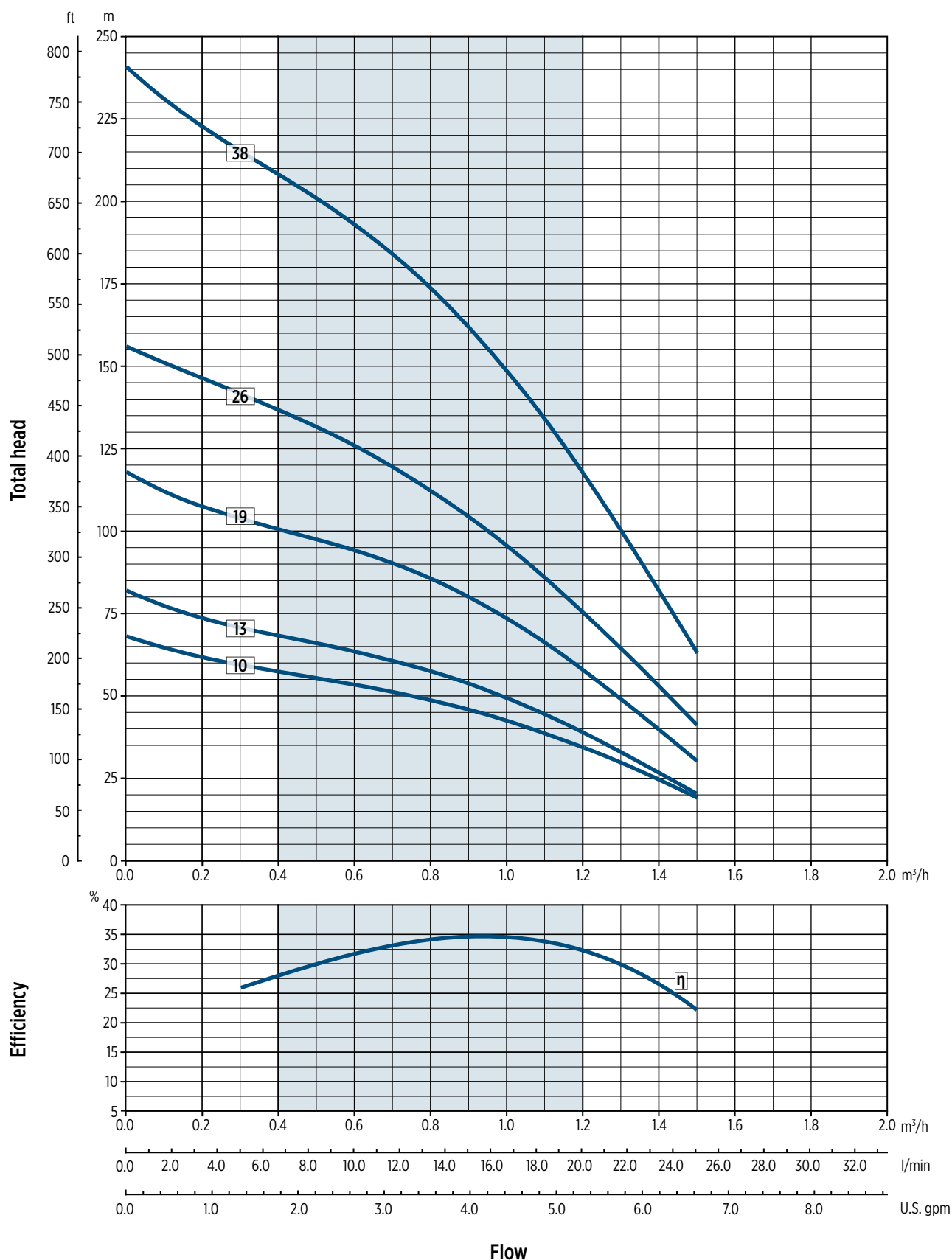
Pump model	Motor			Dimensions [mm]					Weight [Kg]				
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1-	3-	1-	3-		1-	3-	1-	3-
VS 1/10	E4	0.37	0.5	368	228	214	596	582	4.0	7.8	7.2	11.8	11.2
VS 1/13	E4	0.37	0.5	420	228	214	648	634	4.5	7.8	7.2	12.3	11.7
VS 1/19	E4	0.55	0.75	528	248	228	776	756	5.6	8.7	7.7	16.4	13.3
VS 1/26	E4	0.75	1.0	680	282	248	962	928	7.4	10.0	8.7	17.4	16.1
VS 1/38	E4	1.1	1.5	921	338.5	282.5	1259.5	1203.5	10.0	12.6	10.2	22.6	20.2



001301012 05/2017

VS 1 - PERFORMANCE CURVES AT 50 Hz

MEI ≥ 0,40



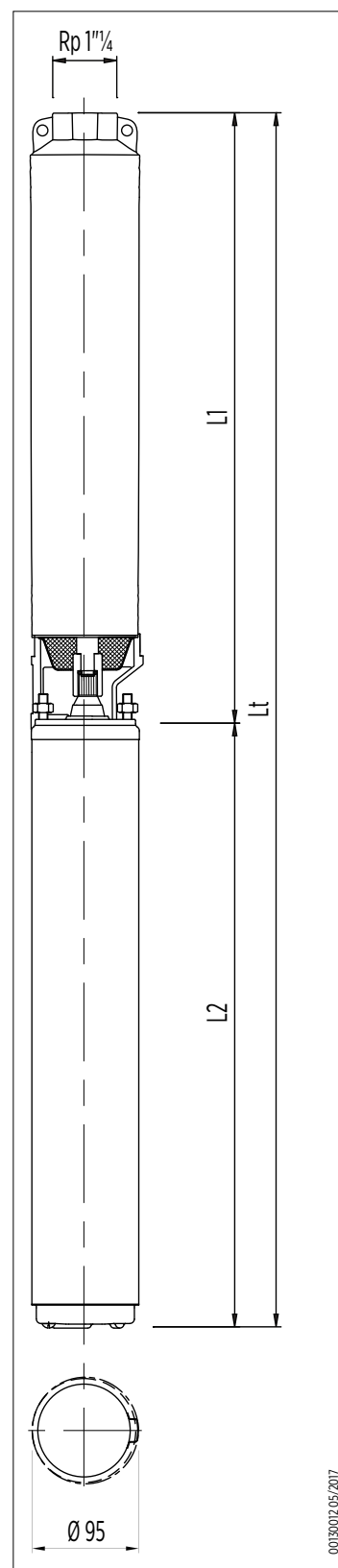
00020011 05/2019



VS 2 - TECHNICAL DATA

PUMPS WITH ENCAPSULATED MOTOR

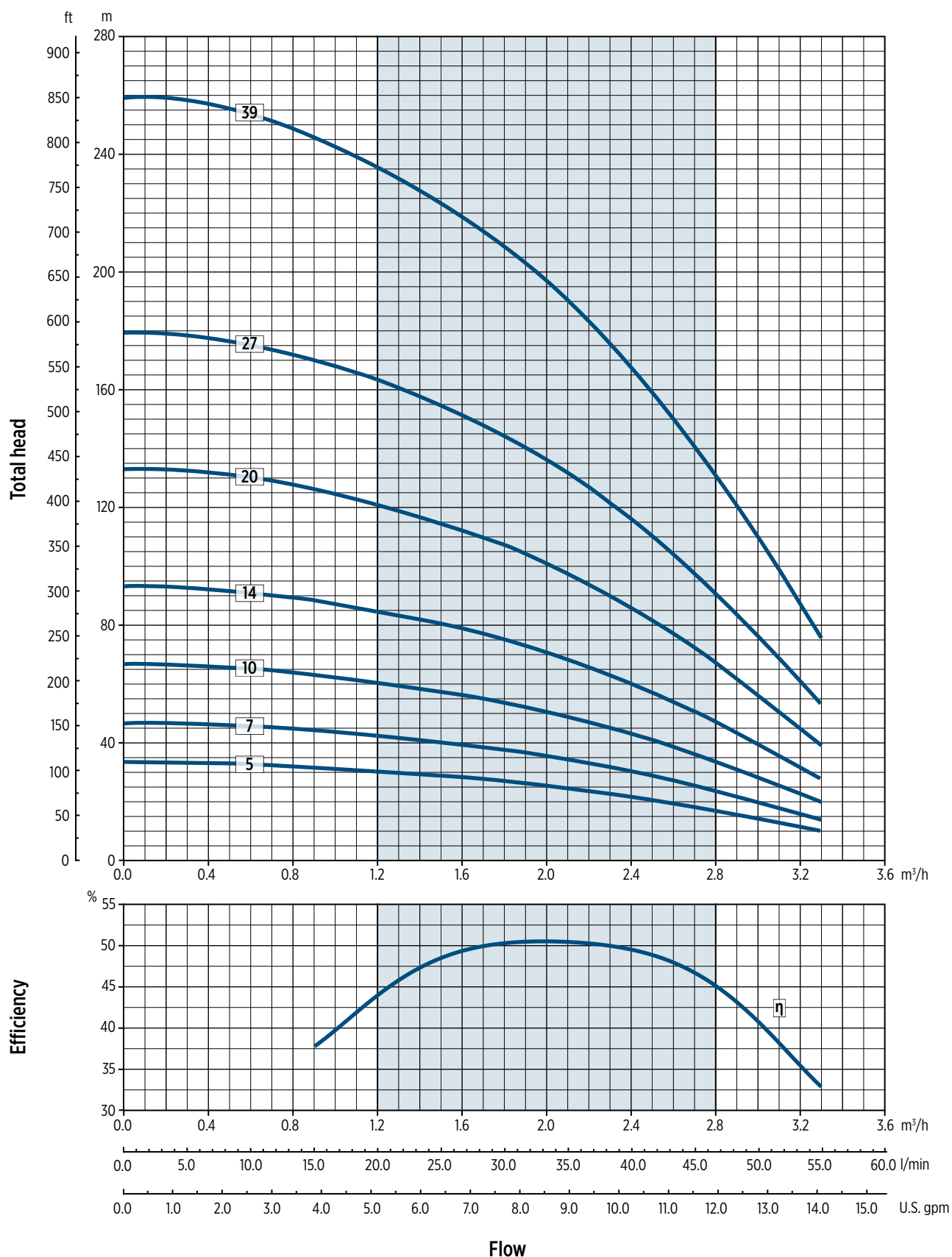
Pump model	Motor Type	Motor		Dimensions [mm]						Weight [Kg]			
		[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1-	3-	1-	3-		1-	3-	1-	3-
VS 2/5	E4	0.37	0.5	278	228	214	506	492	3.0	7.8	7.2	10.8	10.2
VS 2/7	E4	0.37	0.5	314	228	214	542	528	3.4	7.8	7.2	11.2	10.6
VS 2/10	E4	0.55	0.75	367	248	228	615	595	4.0	8.7	7.7	12.7	11.7
VS 2/14	E4	0.75	1	438	282.5	248	720.5	686	4.6	10.0	8.7	14.6	13.3
VS 2/20	E4	1.1	1.5	542	338.5	282.5	880.5	824.5	5.6	12.6	10.2	18.2	15.8
VS 2/27	E4	1.5	2	695	349.5	306.5	1044.5	1001.5	7.1	13.0	11.2	20.1	18.3
VS 2/39	E4	2.2	3	934	436.5	338.5	1370.5	1272.5	9.4	16.9	12.6	26.3	22.0



00130012 05/2017

VS 2 - PERFORMANCE CURVES AT 50 Hz

MEI $\geq 0,40$



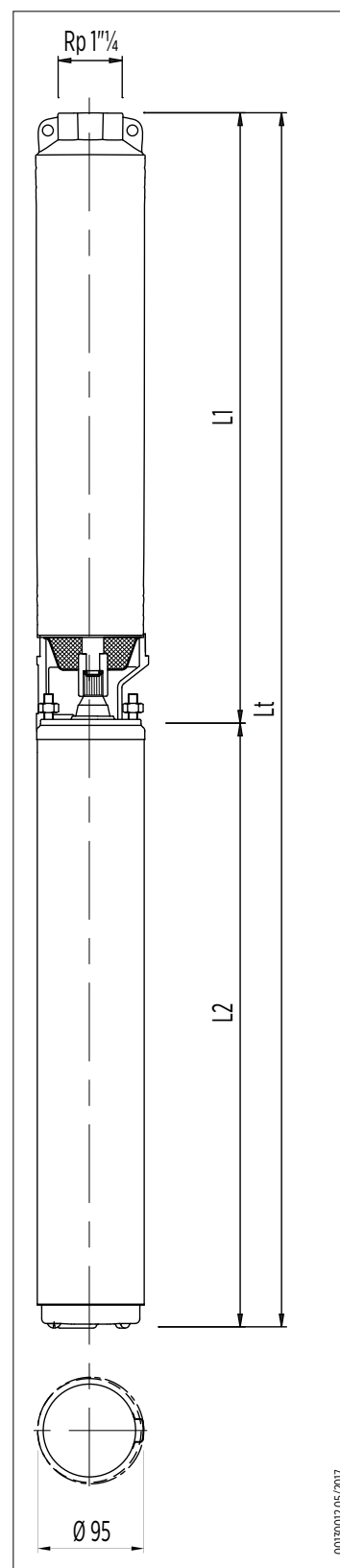
0020012/05/2019



VS 3 - TECHNICAL DATA

PUMPS WITH ENCAPSULATED MOTOR

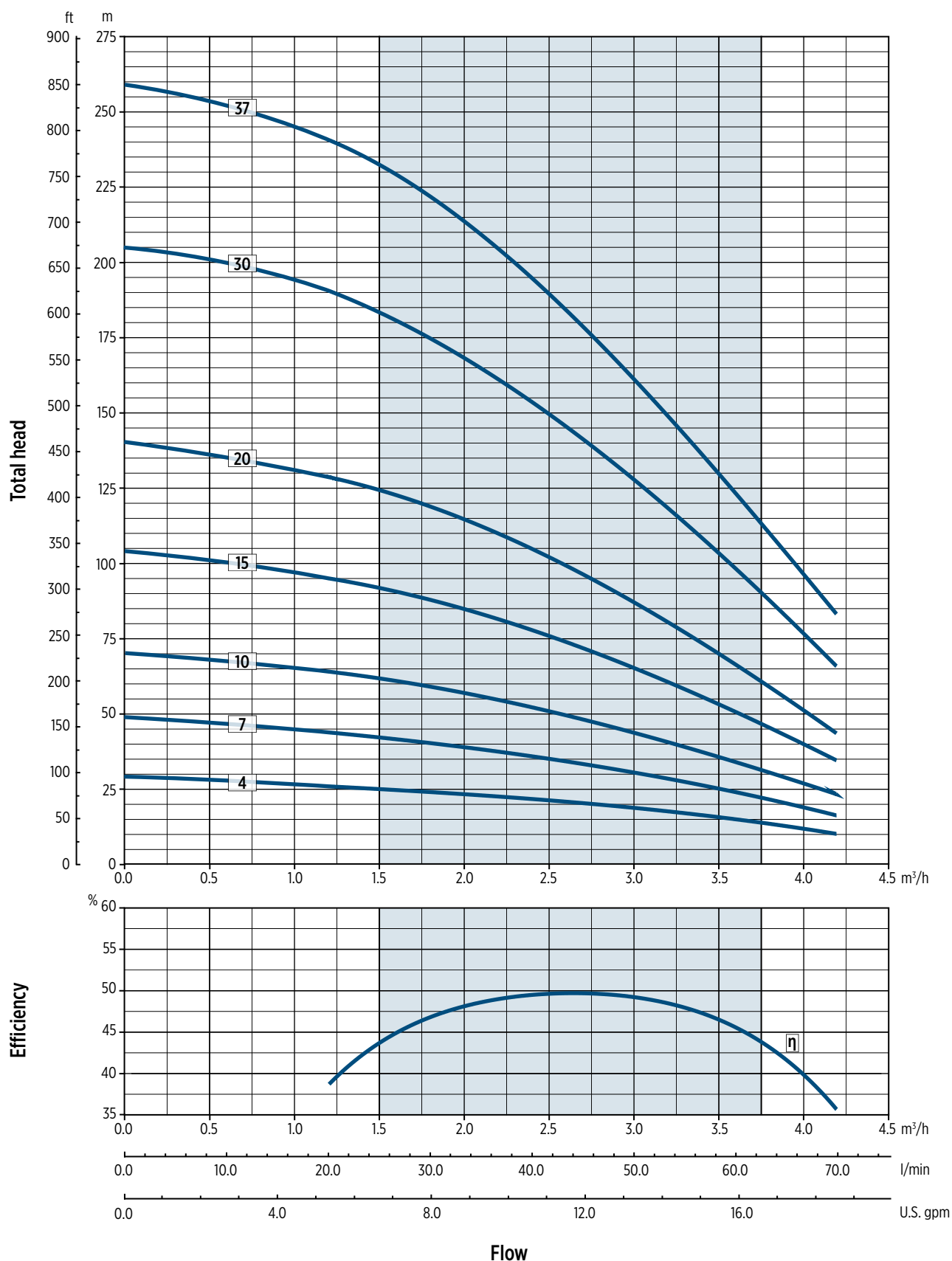
Pump model	Motor			Dimensions [mm]					Weight [Kg]				
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1-	3-	1-	3-		1-	3-	1-	3-
VS 3/4	E4	0.37	0.5	275	228	214	503	489	2.6	7.8	7.2	10.4	9.8
VS 3/7	E4	0.55	0.75	345	248	228	593	573	3.2	8.7	7.7	11.9	10.9
VS 3/10	E4	0.75	1	410	282.5	248	692.5	658	3.8	10.0	8.7	13.8	12.5
VS 3/15	E4	1.1	2	525	338.5	282.5	863.5	807.5	4.5	12.6	10.2	17.1	14.7
VS 3/20	E4	1.5	2	630	349.5	306.5	979.5	936.5	5.5	13.0	11.2	18.5	16.7
VS 3/30	E4	2.2	3	875	436.5	338.5	1311.5	1213.5	7.8	16.9	12.6	24.7	20.4
VS 3/37	E4	3	4	1065	-	393.5	-	1458.5	9.3	-	15.0	-	24.3



00130102/05/2017

VS 3 - PERFORMANCE CURVES AT 50 Hz

MEI ≥ 0,40

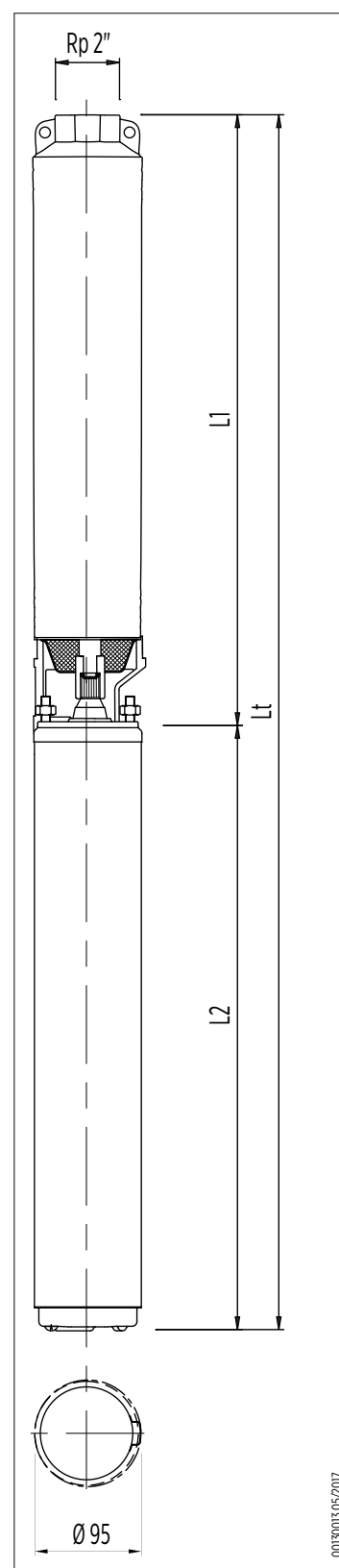


0012/07 05/2019

VS 6 - TECHNICAL DATA

PUMPS WITH ENCAPSULATED MOTOR

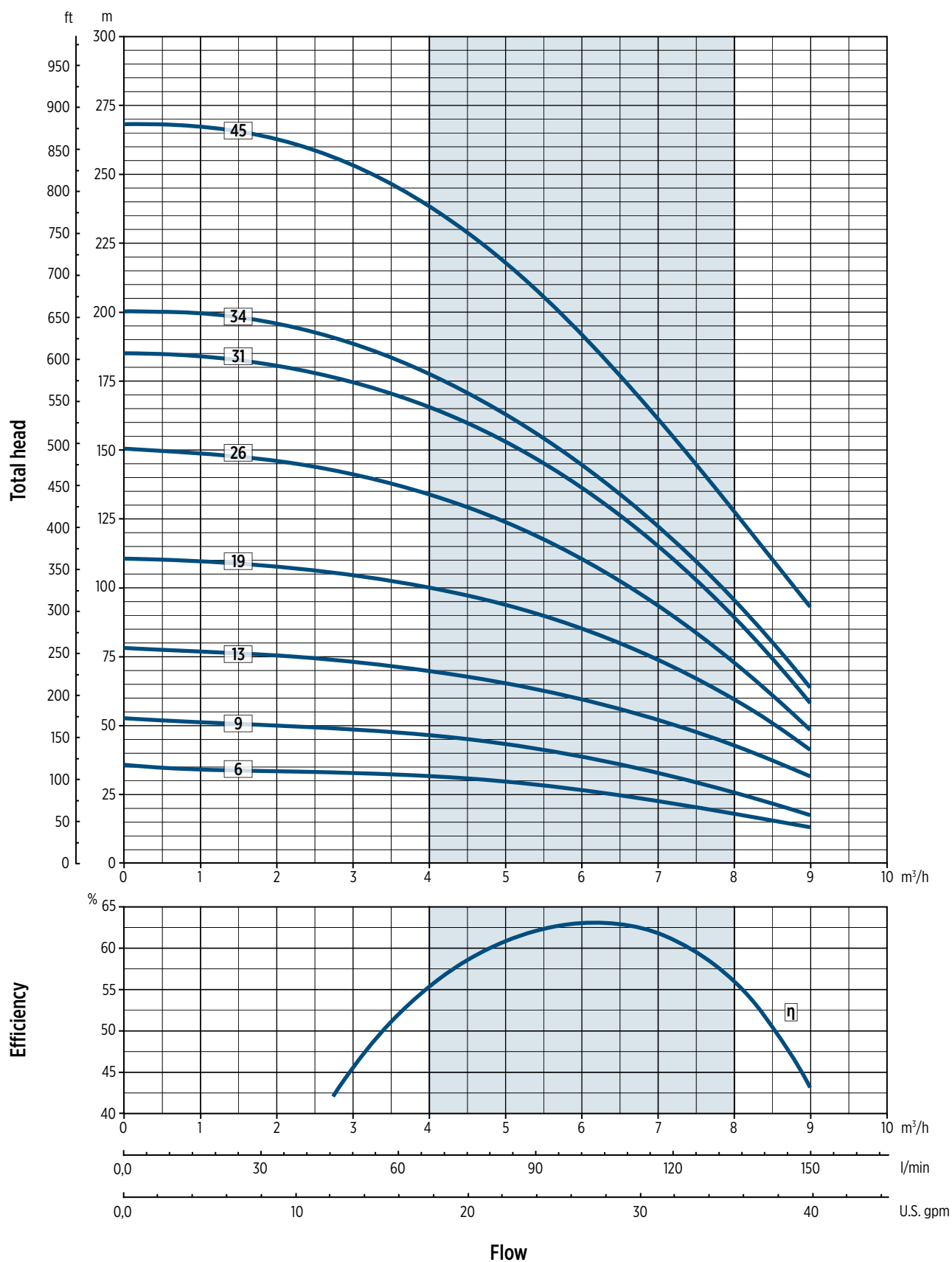
Pump model	Motor			Dimensions [mm]					Weight [Kg]				
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1-	3-	1-	3-		1-	3-	1-	3-
VS 6/6	E4	0.75	1	371	282.5	248	653.5	619	3.2	10.0	8.7	13.2	11.9
VS 6/9	E4	1.1	1.5	461	338.5	282.5	799.5	743.5	4.0	12.6	10.2	16.6	14.2
VS 6/13	E4	1.5	2	612	349.5	306.5	961.5	918.5	5.3	13.0	11.2	18.3	16.5
VS 6/19	E4	2.2	3	821	436.5	338.5	1257.5	1159.5	7.3	16.9	12.6	24.2	19.9
VS 6/26	E4	3	4	1031	-	393.5	-	1424.5	8.7	-	15.0	-	23.7
VS 6/31	E4	3.7	5	1212	-	520	-	1732	10.2	-	19.1	-	29.3
VS 6/34	E4	4	5.5	1303	-	543	-	1846	10.9	-	20.0	-	30.9
VS 6/45	E4	5.5	7.5	1631	-	652.5	-	2283.5	14.1	-	26.6	-	40.7



001301013 05/2017

VS 6 - PERFORMANCE CURVES AT 50 Hz

MEI $\geq 0,40$



002004.05/2019